

## WIRELESS SUBJECT MONITORING SYSTEM

### ABSTRACT

A data acquisition system can include an acquisition device and a receiving device. The acquisition device includes inputs that receive data from sensors connected to a subject, a wireless and/or a wired transmitter that transmits data received by the inputs, and a housing carrying at least some of the components of the acquisition device. The housing may be wearable by a patient. The acquisition device may be switchable between a tethered data transmission mode and an untethered data transmission mode. The receiving device includes a receiver that receives data transmitted by the acquisition device, and may include an output that outputs data to a host. The system may be configured to transmit data from the data acquisition device to the local monitor point-to-point. The system is particularly useful for monitoring high acuity patients that may or may not require ambulation.